

DRAWING INDEX

SHEET NUMBER	CITY OF WINNIPEG DRAWING NUMBER	DRAWING TITLE
1	11118	DRAWING INDEX, DESIGN NOTES, LEGEND, & ABBREVIATIONS
2	11119	BALTIMORE ROAD – MH AT DARLING STREET TO NODE AT DARLING STREET
3	11120	BIBEAU BAY – MH AT BIBEAU BAY (E LEG) TO 1ST MH W OF BIBEAU BAY (E LEG)
4	11121	BIBEAU BAY – 2ND MH W OF BIBEAU BAY (E LEG) TO 3RD MH W OF BIBEAU BAY (E LEG)
5	11122	BREWSTER STREET – 1ST MH N OF KILDARE AVENUE WEST TO MH AT KILDARE AVENUE WEST
6	11123	BROADWAY – MH @ HARGRAVE STREET (Q) TO MH @ CARLTON STREET (Q)
7	11124	BROADWAY – MH @ SMITH STREET TO MH @ DONALD STREET
8	11125	CAMBRIDGE STREET – MH AT KINGSWAY (S R) TO 1ST MH S OF KINGSWAY
9	11126	CARTER AVENUE – MH AT STAFFORD STREET (W R) TO 1ST MH W OF STAFFORD STREET
10	11127	CORDOVA STREET – MH AT ACADEMY (Q) TO 1ST MH S OF ACADEMY
11	11128	CRESTWOOD CRESNT (W-LEG) – 1ST MH N OF CRESTWOOD CRESNT (S LEG) TO 2ND MH N OF CRESTWOOD CRESNT (S LEG)
12	11129	DOMINION STREET – MH AT N R OF SARGENT AVENUE TO 1ST MH N SARGENT AVENUE
13	11130	DOWNING STREET – 4TH MH N OF YARWOOD STREET TO 1ST MH S OF NOTRE DAME AVENUE
14	11131	EAST GATE – MH AT BLANCHARD AVENUE TO 1ST MH N OF BLANCHARD AVENUE
15	11132	EDMONTON STREET – MH AT YORK AVENUE (N R) TO 1ST MH N OF YORK AVENUE
16	11133	FAWCETT AVENUE – 1ST MH W MARYLAND STREET TO MH AT MARYLAND STREET (Q)
17	11134	FLINT AVENUE – 1ST MH S OF WILLIAM AVENUE WEST TO MH AT WILLIAM AVENUE WEST (E OF Q)
18	11135	FURBY STREET (Q) – 1ST MH N BROADWAY TO MH AT BROADWAY (Q)
19	11136	FULHAM AVENUE – MH AT E R WELLINGTON CRESNT TO NODE AT DONCASTER STREET
20	11137	HENRY AVENUE – MH AT PRINCESS STREET (W R) TO MH AT STANLEY STREET
21	11138	LOMBARD AVENUE – 1ST MH W OF WESTBROOK STREET TO 2ND MH W OF WESTBROOK STREET
22	11139	MCDERMOT AVENUE WEST – 1ST MH E OF KING EDWARD STREET TO 2ND MH E OF KING EDWARD STREET
23	11140	MCGILLIVRAY PLACE – 1ST MH E OF DICKSON CR (E LEG) TO MH AT BISCAVNE BY (W LEG)
24	11141	MEMORIAL BOULEVARD – MH AT ST MARY AVENUE (S R) TO MH AT COOPER AVENUE (Q)
25	11142	NASSAU STREET SOUTH – 1ST MH S OF MCNAUGHTON AVENUE TO MH AT MCNAUGHTON AVENUE
26	11143	NASSAU STREET SOUTH – MH AT MORLEY AVENUE TO PLUG S OF MORLEY AVENUE
27	11144	NEWMAN STREET – 1ST MH S OF PORTAGE AVENUE TO MH AT PORTAGE AVENUE
28	11145	PACIFIC AVENUE WEST – MH AT SHERBROOK STREET (E R) TO 1ST MH E OF SHERBROOK STREET
29	11146	PACIFIC AVENUE WEST – MH AT ODDY STREET TO 1ST MH E OF ODDY STREET
30	11147	PARK LANE AVENUE – 4TH MH OF KING EDWARD STREET TO 5TH MH E OF KING EDWARD STREET
31	11148	PARK LANE AVENUE – 2ND MH S OF HEKLA AVENUE TO MH AT PARK LANE AVENUE
32	11149	PORTAGE AVENUE – MH AT BALMORAL STREET (Q) TO MH AT GOOD STREET (Q)
33	11150	PORTAGE AVENUE – MH AT GOOD STREET (Q) TO MH AT COLONY STREET (Q)
34	11151	REGENT AVENUE EAST – 1ST MH W OF LEOLA STREET TO MH AT LEOLA STREET
35	11152	ROSS AVENUE – MH AT TECUMSEH STREET (E R) TO 1ST MH E OF TECUMSEH STREET
36	11153	RUBY STREET – 1ST MH N OF WESTMINSTER AVENUE TO 1ST MH S OF PRESTON AVENUE
37	11154	STERLING AVENUE – 5TH MH E SIFERTS COVE TO NODE @ ST ANNES ROAD
38	11155	STERLING AVENUE – 2ND MH E SIFERTS COVE TO 3RD MH E SIFERTS COVE
39	11156	SYLVAN WAY – 1ST MH S OF OMANDS CREEK TO MH AT OMANDS CREEK (E R)
40	11157	TINITY STREET (EASEMENT) – 1ST MH S OF HENRY AVENUE TO MH AT LOGAN AVENUE
41	11158	CB RENEWALS – VARIOUS LOCATIONS

ABBREVIATIONS

WWS CS LDS L E G.L.S. B.M. TH ELEV INV MH SL TS ABAND BLDG HSE C/S MTS R.O.W. WM CULV MH CB CI VERT. HORZ. LB. FIBRE X-ING HYD EXIST N E S W W/ C/W CONC AC VC OR CLAY CI DI PVC HOPE POCP	WASTE WATER SEWER COMBINED SEWER LAND DRAINAGE SEWER PROPERTY LINE CENTER LINE GEOGRAPHIC INFORMATION SYSTEM BENCH MARK TEST HOLE ELEVATION INVERT MINIMUM STREET LIGHTING TRAFFIC SIGNALS ABANDONED BUILDING HOUSE CURB STOP MANITOBA TELEPHONE SYSTEM RIGHT-OF-WAY WATERMAIN CULVERT MANHOLE CATCH BASIN CURB INLET VERTICAL HORIZONTAL IRON BAR FIBRE OPTIC CROSSING HYDRANT EXISTING NORTH EAST SOUTH WEST WITH CONSTRUCTED WITH CONCRETE ASBESTOS CEMENT VITRIFIED CLAY CAST IRON DUCTILE IRON POLYVINYL CHLORIDE HIGH DENSITY POLYETHYLENE PRESTRESSED CONCRETE CYLINDER PIPE
--	---

LEGEND

DESCRIPTION	EXISTING	PROPOSED
WATER PIPE		
FIRE HYDRANT		
VALVE		
CURB STOP		
REDUCER		
COUPLING OR SLIDDER		
CROSS		
BEND – 11.25°, 22.5°, 45°, 90°		
TEE		
VERTICAL BEND		
ANODE		
REPAIR MARKER		
PLUG		
SEWER PIPE		
MANHOLE		
CATCH BASIN		
CURB INLET		
JUNCTION		
DITCH		
CULVERT		
SURVEY BAR		
SURVEY MONUMENT		
TREE – DECIDUOUS		
TREE – CONIFEROUS		
HYDRO		
HYDRO POLE		
LAMP STANDARD		
HYDRO POLE W/STREET LIGHTING		
POLE		
GUY ANCHOR		
M.T.S. POLE		
PEDESTAL OR BOX		
CABINET		
M.T.S.		
TRAFFIC SIGNALS		
TRAFFIC LIGHT STANDARD		
GAS		
STEAM		
FIBRE OPTIC		
FENCE		
EDGE OF PAVEMENT OR GUTTER		
EDGE UNPAVED OR GRAVEL ROAD		
PROJECTED		
LOT LINE		
SIDEWALK – PATHWAY		
EASEMENT		
EDGE OF BUILDING		
MAILBOX		
TEST HOLE		
TREE LINE OR BUSH		

CONSTRUCTION NOTES

1. ALL PIPE SHALL HAVE CLASS B – TYPE 2 BEDDING
2. INSTALL SEWER BY TRENCHLESS METHODS.
3. CONFIRM THE LOCATION OF ALL SEWER SERVICES.
4. BACKFILL UNDER PAVEMENT, IN SIDEWALKS, & WITHIN 1.0 OF PAVEMENT TO BE CLASS 3.
5. BACKFILL IN BOULEVARD TO BE CLASS 5.
6. RENEW SEWER SERVICES TO R.
7. INSTALL SEWER SERVICE RISERS TO ELEVATION WHERE MINIMUM SLOPE OF 1% IS MAINTAINED FOR ALL SERVICES.

HATCH PATTERNS

AREA OF REPAIR ON PIPE

52.0 | MEASUREMENT TO REPAIR FROM REFERENCE MH SHOWN THUS... 0.0 MH

<p>LOCATION APPROVED UNDERGROUND STRUCTURES</p> <p>SUPV. U/G STRUCTURES COMMITTEE _____ DATE _____</p> <p>NOTE: LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.</p>	<p>B.M. ELEV.</p> <table border="1" style="width:100%; height: 40px;"> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </table>																	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>DESIGNED BY</td> <td style="text-align: center;">TS</td> <td>CHECKED BY</td> <td style="text-align: center;">SC</td> </tr> <tr> <td>DRAWN BY</td> <td style="text-align: center;">RS</td> <td>APPROVED BY</td> <td style="text-align: center;">KZ</td> </tr> <tr> <td>SCALE:</td> <td></td> <td>RELEASED FOR CONSTRUCTION</td> <td></td> </tr> <tr> <td>HORIZONTAL</td> <td></td> <td></td> <td></td> </tr> <tr> <td>VERTICAL</td> <td></td> <td></td> <td></td> </tr> <tr> <td>DATE</td> <td colspan="2" style="text-align: center;">2015 12 16</td> <td>DATE</td> </tr> <tr> <td>PLOT DATE:</td> <td colspan="3">2015 12 16</td> </tr> </table>	DESIGNED BY	TS	CHECKED BY	SC	DRAWN BY	RS	APPROVED BY	KZ	SCALE:		RELEASED FOR CONSTRUCTION		HORIZONTAL				VERTICAL				DATE	2015 12 16		DATE	PLOT DATE:	2015 12 16			<p>ENGINEER'S SEAL</p> <p style="text-align: center;">ORIGINAL SIGNED BY S.R.J. COURNOYER 12/07/15</p>	<p>THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT ENGINEERING DIVISION</p> <p>2015 SEWER RENEWALS BY CIPP LINING</p> <p style="font-size: 2em;">INDEX PAGE</p>	<p>SHEET 1 OF 41</p> <p>CITY DRAWING NUMBER</p> <p style="font-size: 2em;">11118</p>
DESIGNED BY	TS	CHECKED BY	SC																																														
DRAWN BY	RS	APPROVED BY	KZ																																														
SCALE:		RELEASED FOR CONSTRUCTION																																															
HORIZONTAL																																																	
VERTICAL																																																	
DATE	2015 12 16		DATE																																														
PLOT DATE:	2015 12 16																																																